

REMARKS

Applicant respectfully requests reconsideration of this application as amended.

With Claims 24-49 pending, by this Amendment Claims 25, 33, 35-36 and 40-41 have been amended in accordance with the Examiner's recommendation to remove artifacts of the priority application. Furthermore, Claim 39 has been amended to correct a punctuation error.

Claim 24 recites, *inter alia*, a multiprocessor digital data processing system having a preemptive type operating system and a given number of processors capable of processing said tasks in parallel, comprising, in at least one preliminary phase, dividing said processors into groups, each group comprising predetermined numbers of processors, dividing said tasks into a predetermined number of elementary task queues and storing a predetermined number of tasks to be processed in a given order of priority in each elementary task queue, each of said processor groups being associated with an elementary task queue, each of the stored predetermined tasks being associated with one of the processors associated with said elementary task queue.

Independent Claim 42 recites, *inter alia*, said system having a preemptive operating system and a given number of processors capable of processing said tasks in parallel, said processors being divided into groups, and an elementary task queue associated with each of the groups, each of said elementary task queues stored in a predetermined number of tasks to be processed in a given order of priority, so that each of the stored predetermined number of tasks of each of said elementary task queues is associated with one of the processors in the group associated with the elementary task queue.

The Office Action rejects the claims under various combinations of Ogi and Kimmel however concedes that Ogi does not specifically "teach the use of a predetermined number of queues."

Applicant would like to thank the Examiner for the courtesies extended to Applicant's representative, Mr. Jason Vick, during the recent informal telephone interview. As highlighted during the telephone interview, none of the references of record teach or suggest that each of the stored predetermined number of tasks are associated with one or more of the processors associated with said elementary task

queue. In stark contrast, Ogi is directed toward a parallel processor apparatus which divides data in sequential stages. More specifically, and as recited on column 3, lines 48-59 of Ogi:

...the above group dividing process is realized by applying a designated grouping function by each of the processors to all tuples included in a subset (hereinafter, called a subtable) of its own table and logically summing up results of the application, that is, "by sending results (subbuckets) divided into groups of subtables generated by respective processors to a processor group that should store the results therein, linking the subbuckets belonging to the same bucket to finally generate a bucket on the side of a processor having received the results and storing the bucket into secondary storage apparatus of its own.

Kimmel is directed toward a plurality of intermediate level nodes representing resources shared by different combinations of the job processors. However, Kimmel fails to overcome the deficiencies as noted above in relation to Ogi. Specifically, neither of the references teach or suggest that each of the stored predetermined tasks are associated with one or more of the processors associated with said elementary task queue.

At least based on the above, Applicant respectfully submits that the application is in condition for allowance.

A prompt and favorable Notice of Allowance is respectfully requested.

The Commissioner is hereby authorized to charge to deposit account number 50-1165 (T2147-906388) any fees under 37 CFR § 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been separately requested, such extension is hereby requested.

JHV:jab

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Respectfully submitted,

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